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Attorney Docket No. 219.40042X00 - Sheet 1 of 9

FIG. 1

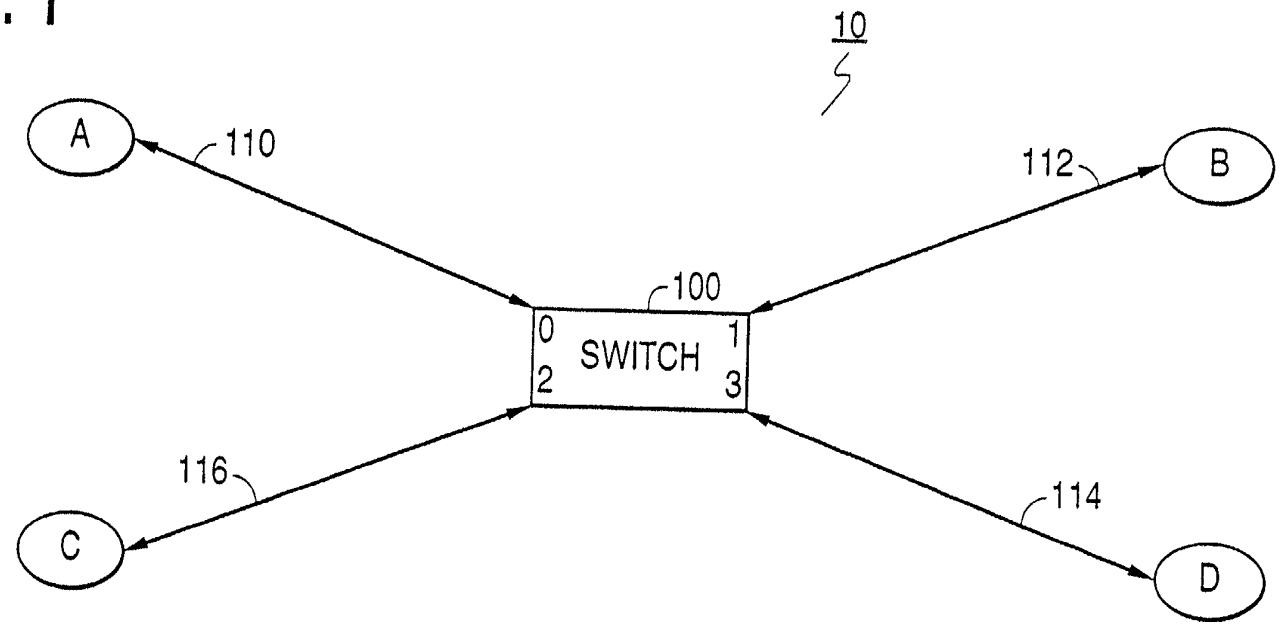
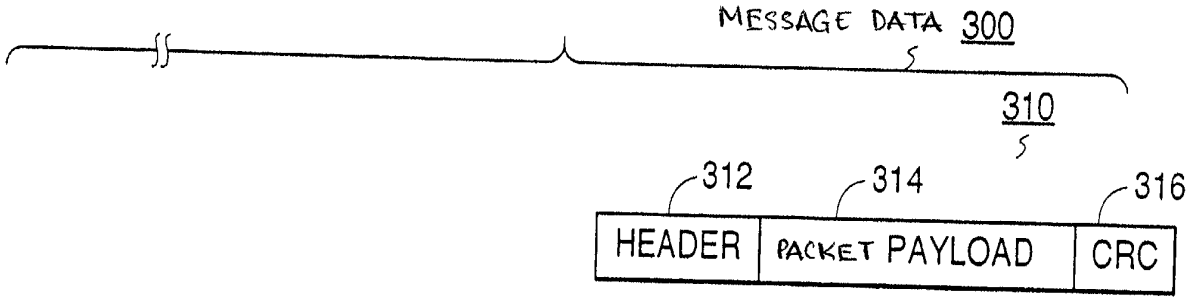


FIG. 3A



SCANNED, # 2

FIG. 2

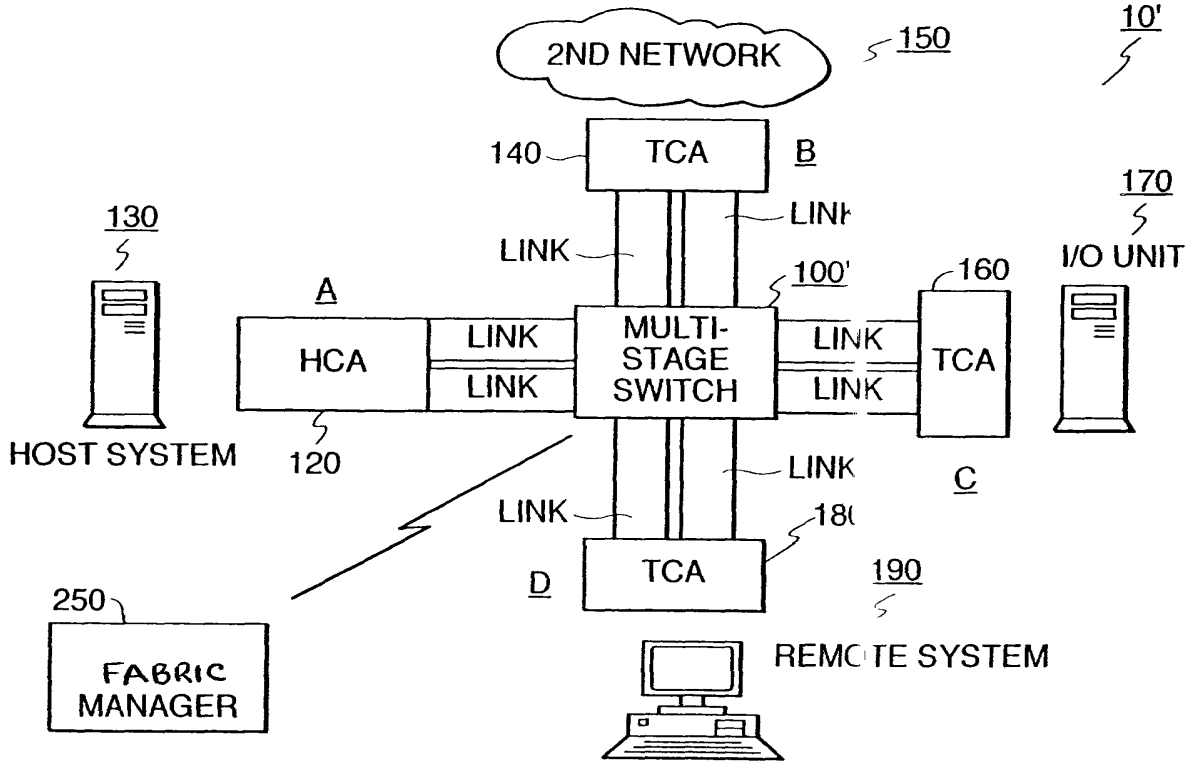


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FIG. 3B

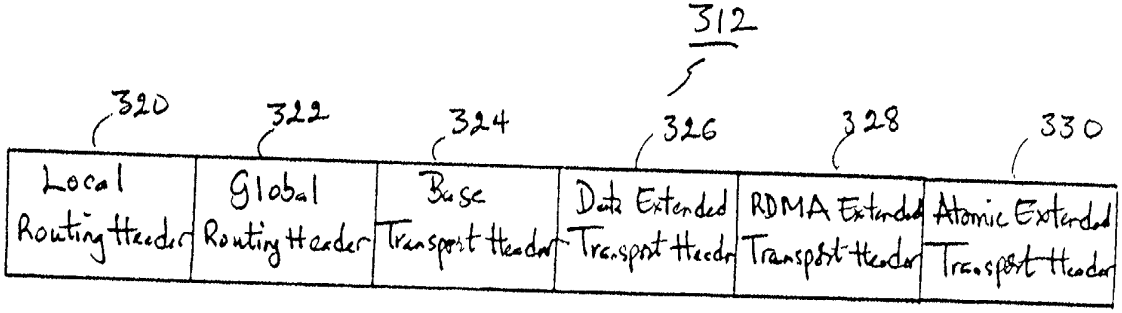

FIG. 3C

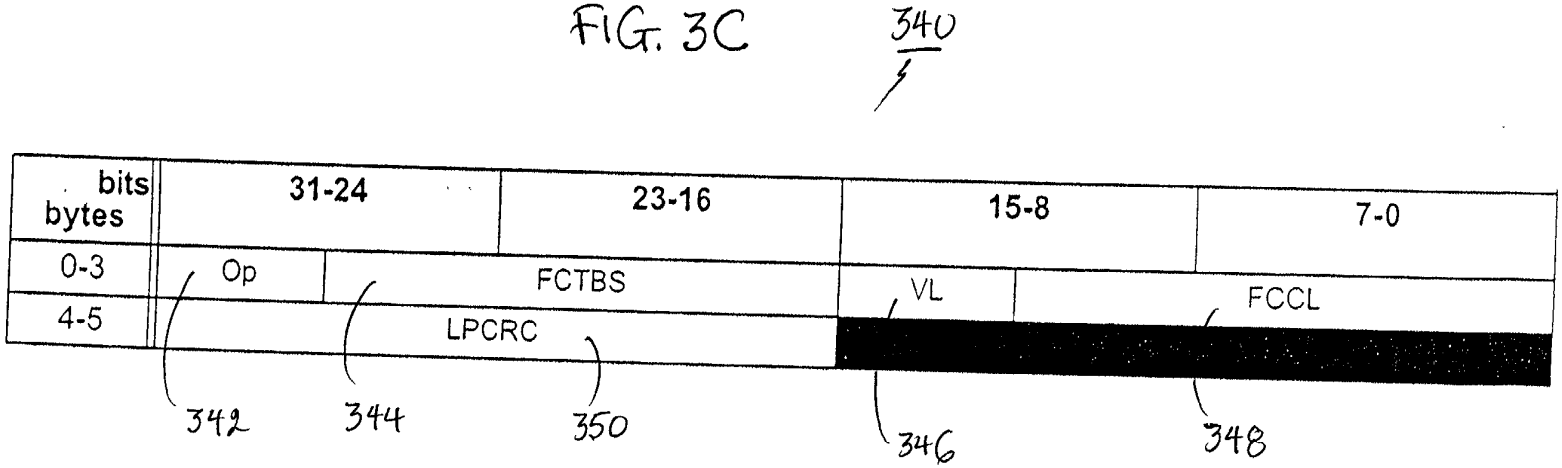

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FIG. 4A

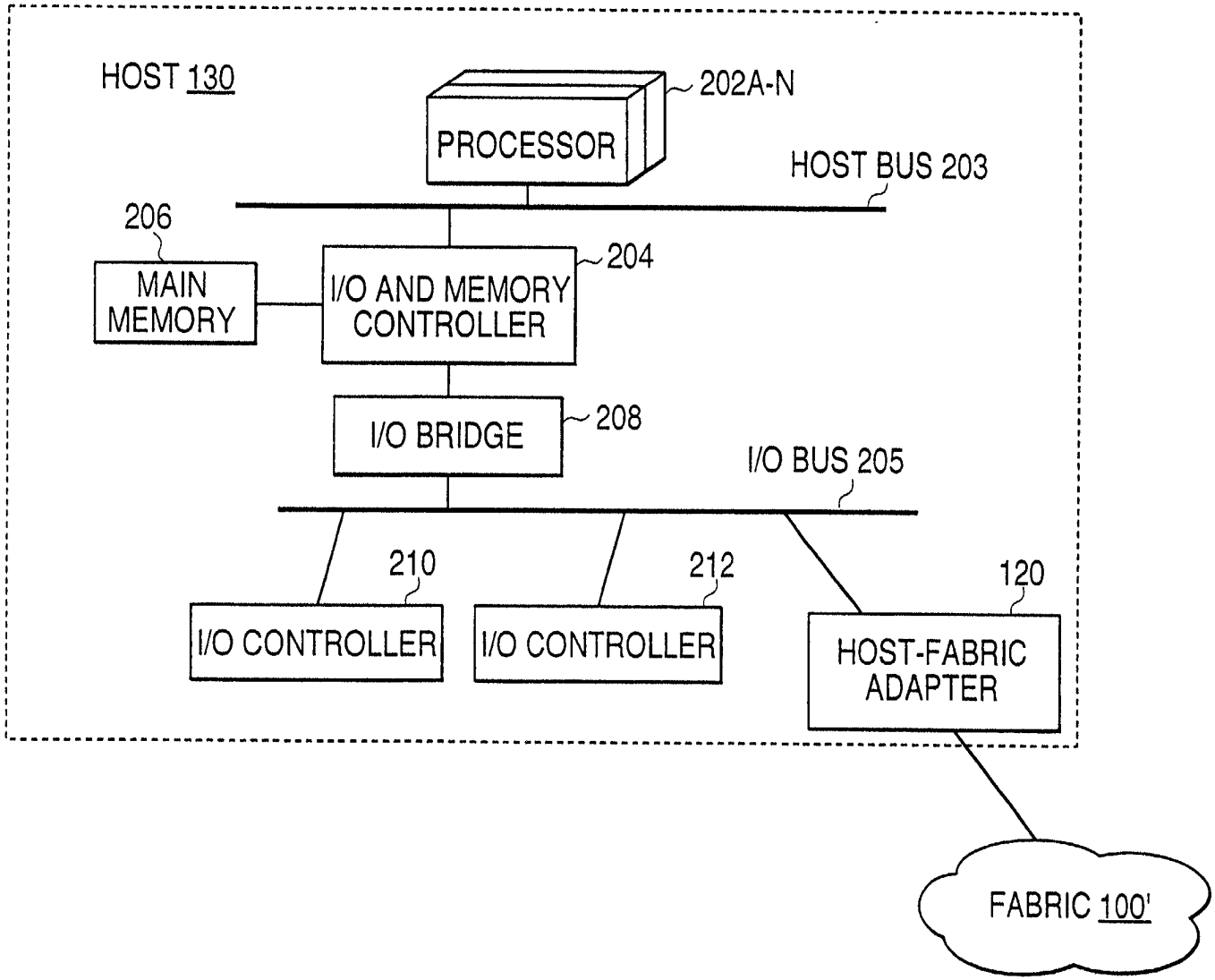

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FIG. 4B

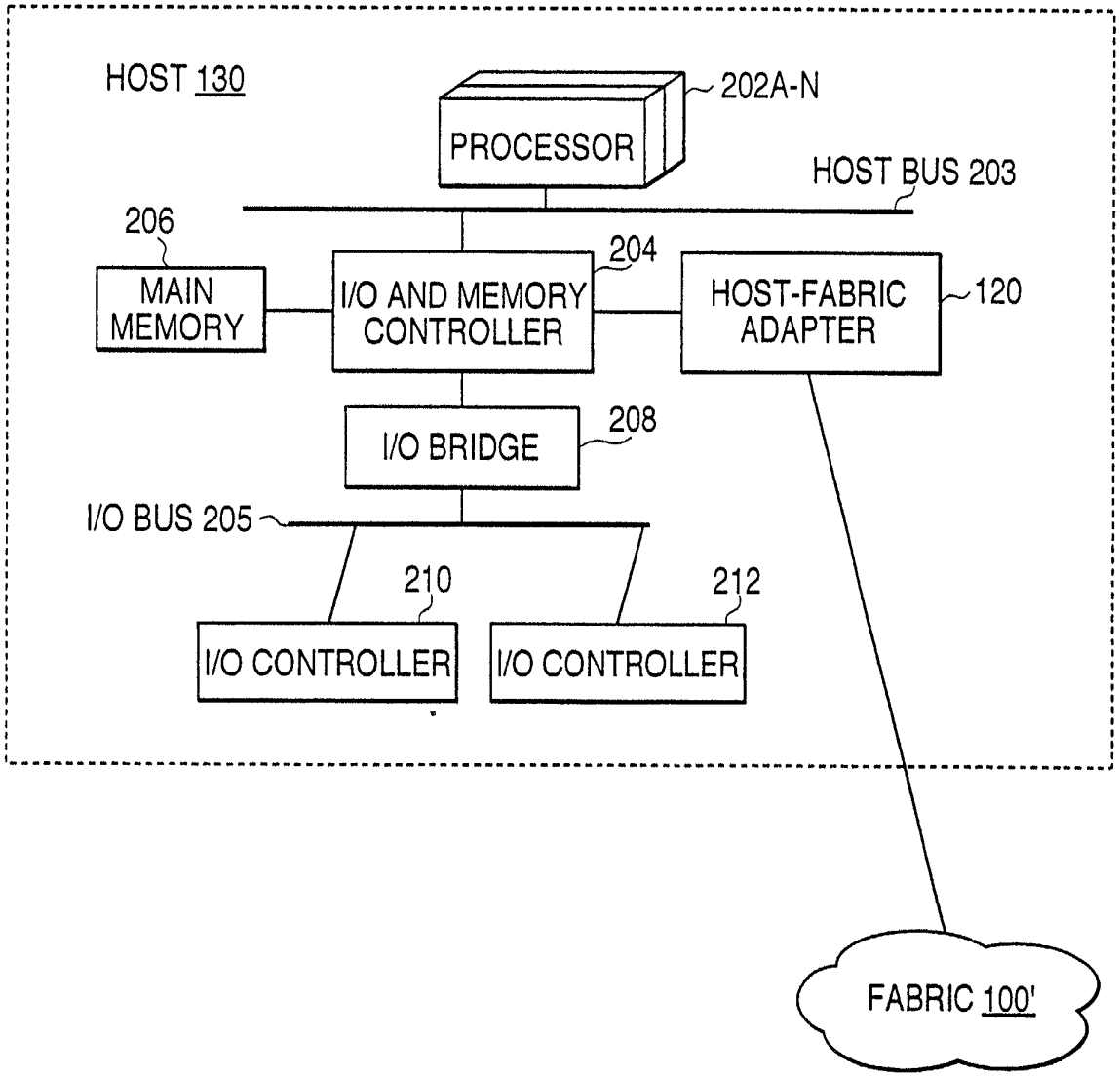

FIG. 5

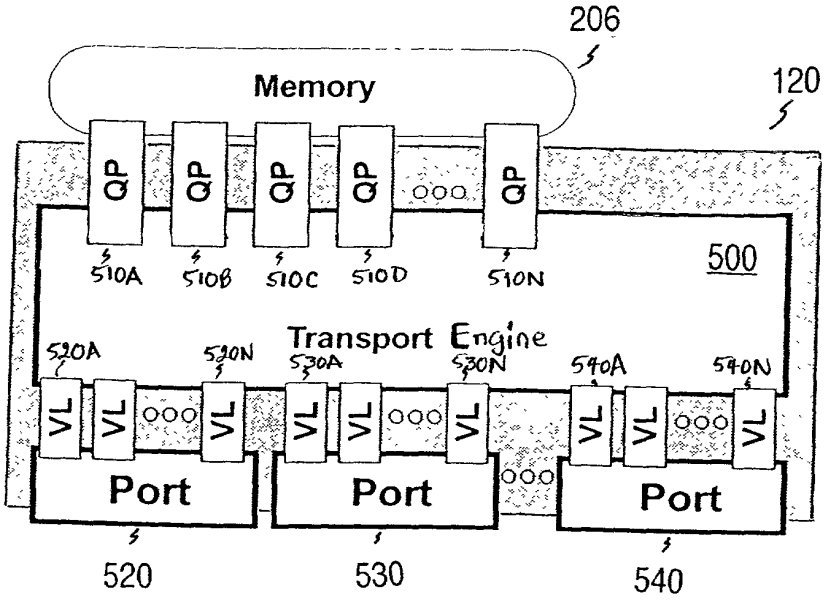
206
Memory
120
QP
QP
QP
QP
QP
510A
510B
510C
510D
510N
500
Transport Engine
520A
520N
530A
530N
540A
540N
VL
Port
Port
Port
520
530
540

FIG. 6

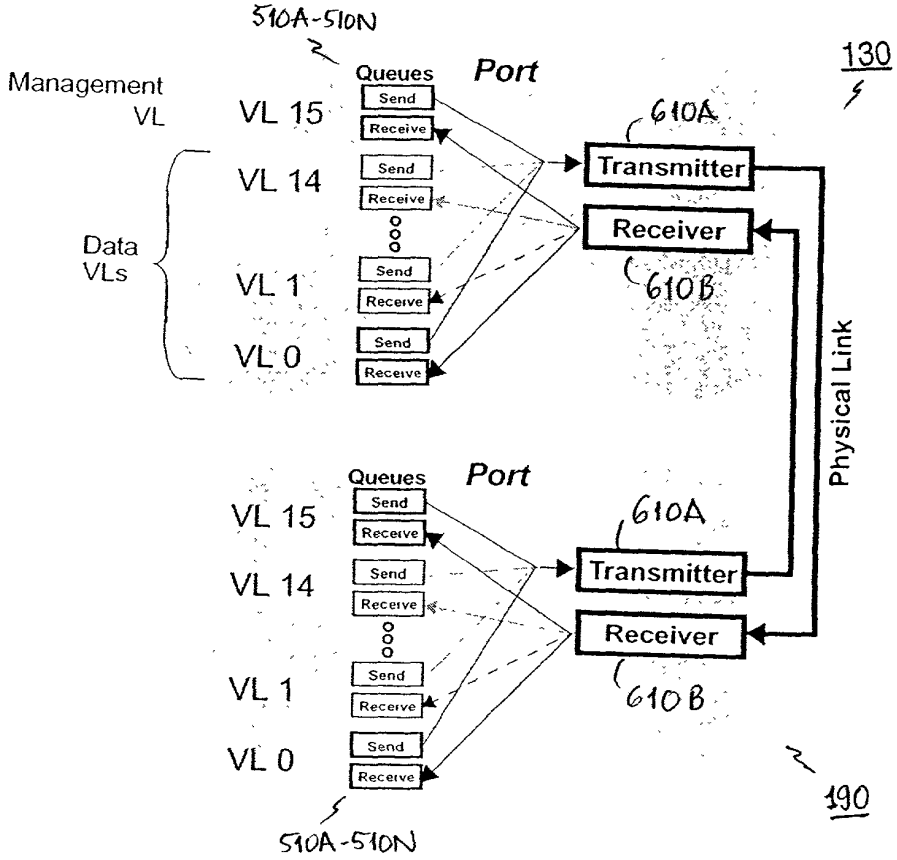
510A-510N
130
Management VL
Data VLs
Queues
Port
VL 15
VL 14
VL 1
VL 0
Send
Receive
610A
Transmitter
Receiver
610B
Physical Link
190
510A-510N

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FIG. 7

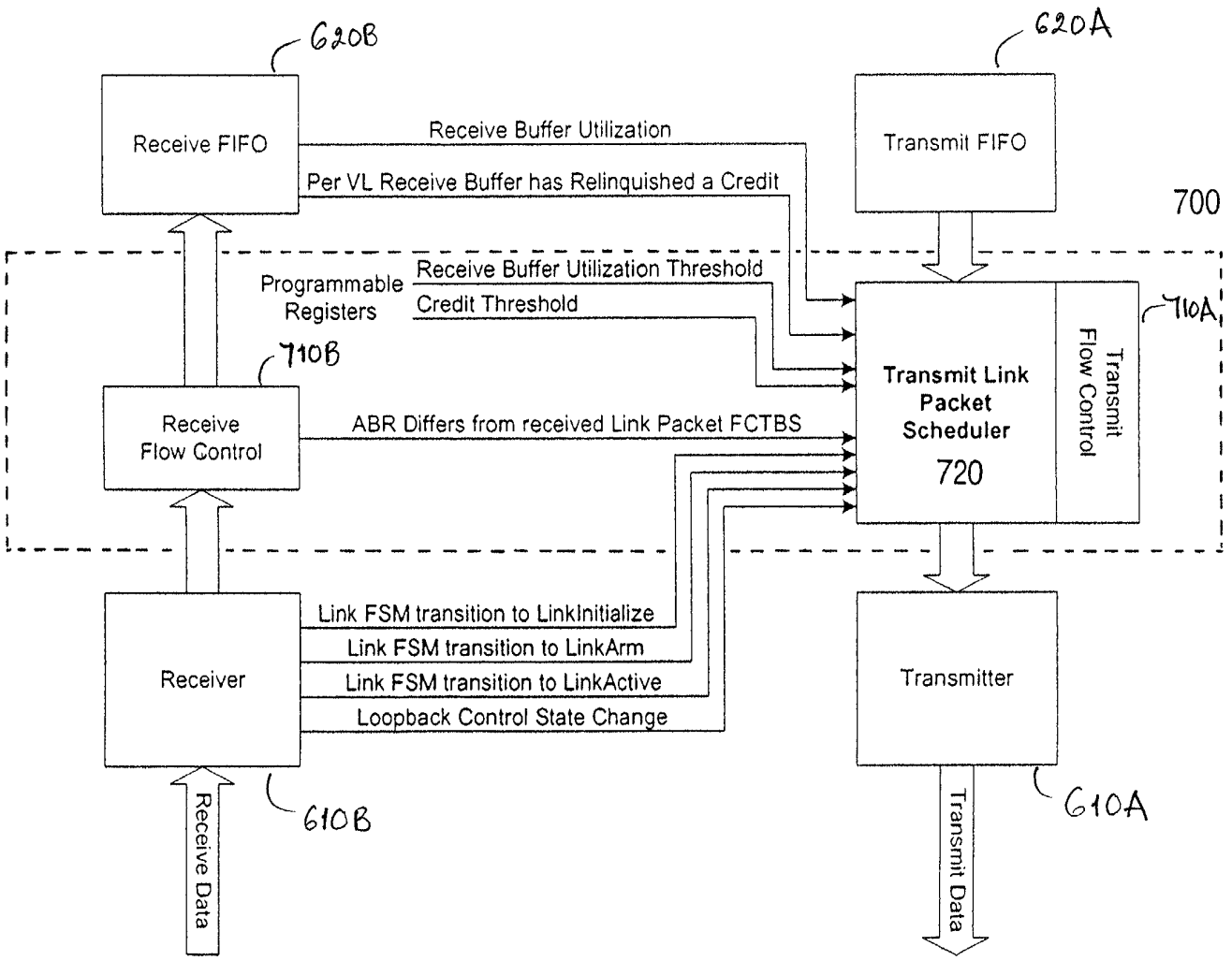
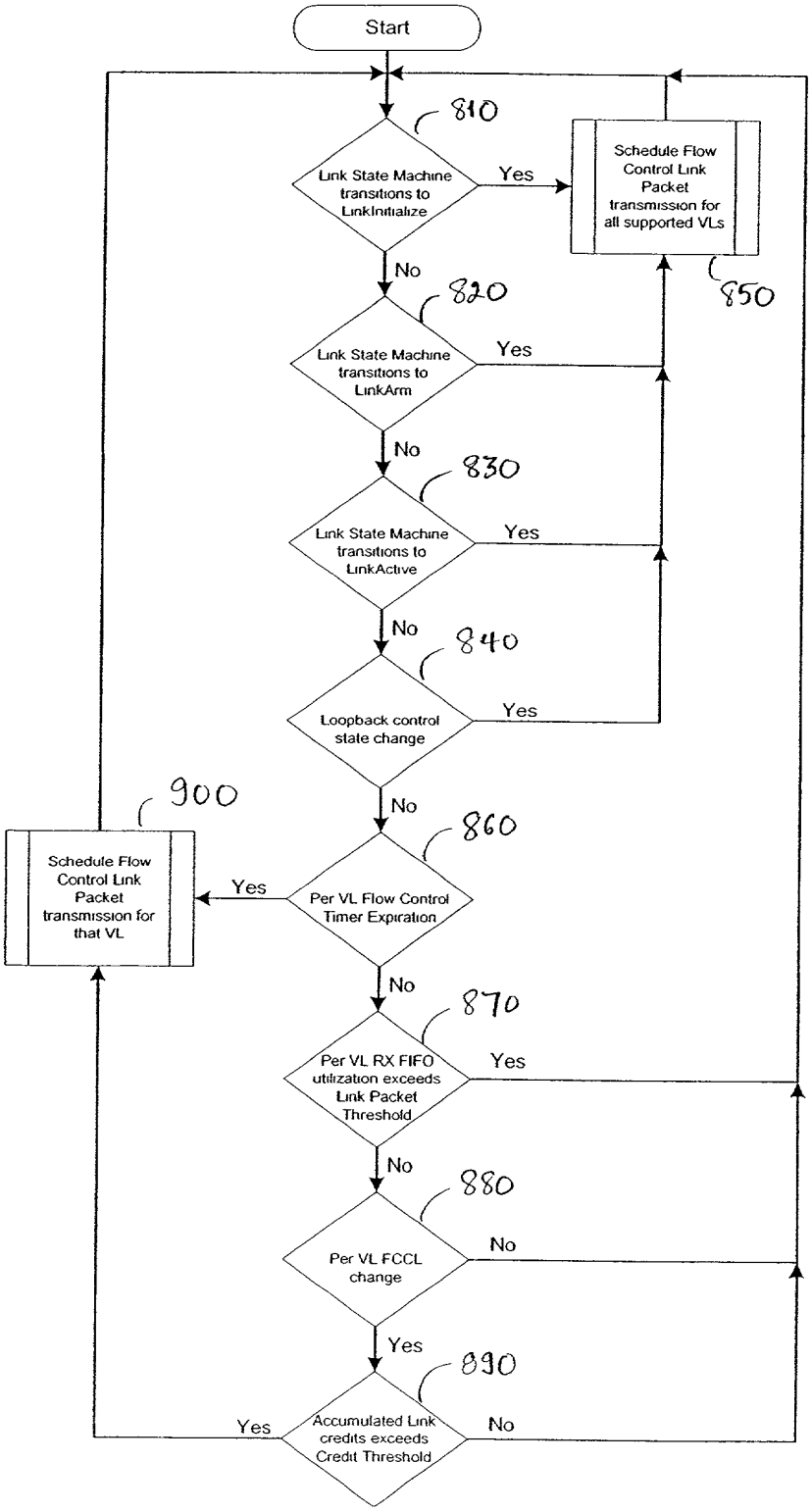


FIG. 8


Start
810
Link State Machine transitions to LinkInitialize
Yes
Schedule Flow Control Link Packet transmission for all supported VLs
850
No
820
Link State Machine transitions to LinkArm
Yes
No
830
Link State Machine transitions to LinkActive
Yes
No
840
Loopback control state change
Yes
No
900
860
Schedule Flow Control Link Packet transmission for that VL
Yes
Per VL Flow Control Timer Expiration
No
870
Per VL RX FIFO utilization exceeds Link Packet Threshold
Yes
No
880
Per VL FCCL change
No
Yes
890
Yes
Accumulated Link credits exceeds Credit Threshold
No

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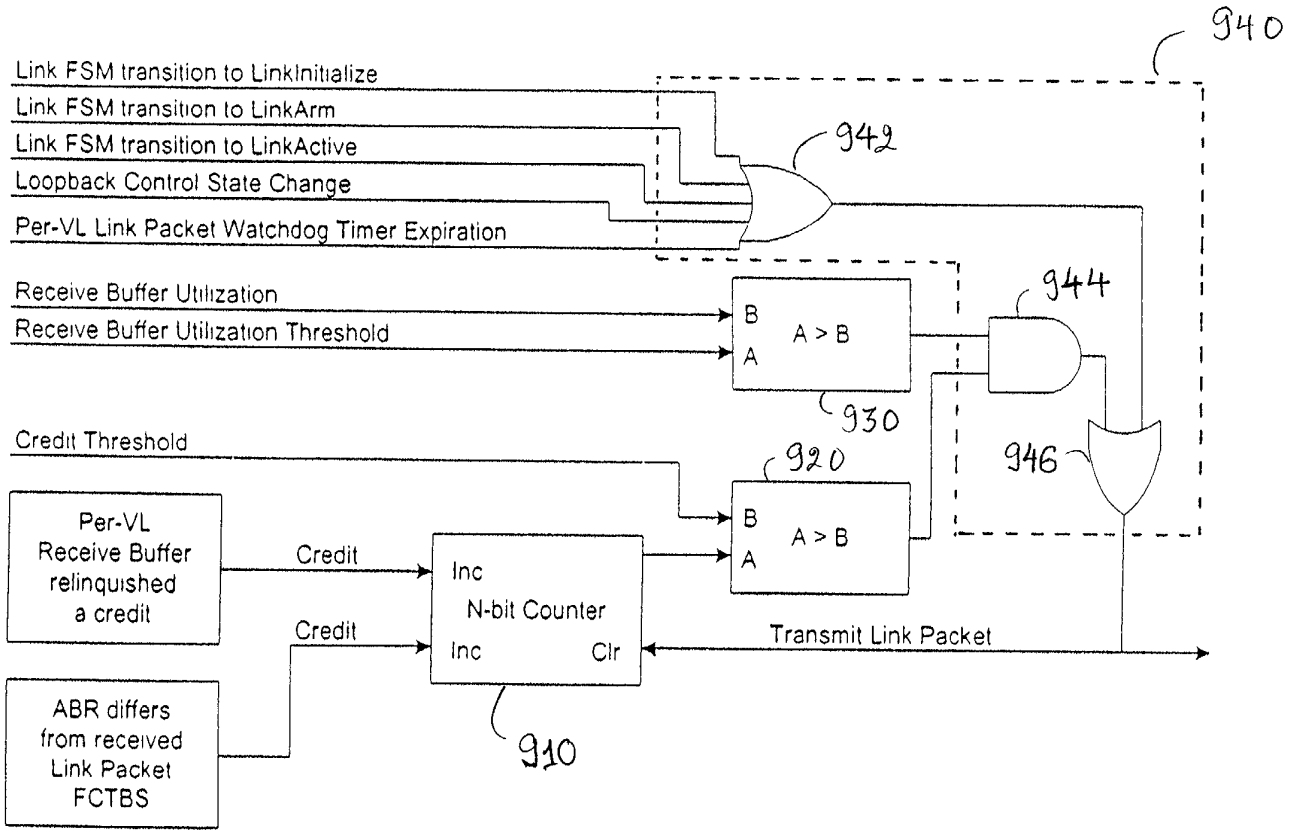
FIG. 9